Lifen Jiang

List of Publications by Year
in descending order

29 papers	1,768 citations	361413 20 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	3126 citing authors

#	Article	IF	Citations
1	Toward more realistic projections of soil carbon dynamics by Earth system models. Global Biogeochemical Cycles, 2016, 30, 40-56.	4.9	343
2	Temperature response of soil respiration largely unaltered with experimental warming. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13797-13802.	7.1	308
3	Asymmetric responses of primary productivity to precipitation extremes: A synthesis of grassland precipitation manipulation experiments. Global Change Biology, 2017, 23, 4376-4385.	9.5	231
4	Transient dynamics of terrestrial carbon storage: mathematical foundation and its applications. Biogeosciences, 2017, 14, 145-161.	3.3	91
5	Stronger warming effects on microbial abundances in colder regions. Scientific Reports, 2016, 5, 18032.	3.3	88
6	Evidence for longâ€term shift in plant community composition under decadal experimental warming. Journal of Ecology, 2015, 103, 1131-1140.	4.0	78
7	Nonlinear responses of land ecosystems to variation in precipitation. New Phytologist, 2017, 214, 5-7.	7.3	71
8	Global patterns of extreme drought-induced loss in land primary production: Identifying ecological extremes from rain-use efficiency. Science of the Total Environment, 2018, 628-629, 611-620.	8.0	69
9	Dual mechanisms regulate ecosystem stability under decade-long warming and hay harvest. Nature Communications, 2016, 7, 11973.	12.8	66
10	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. Ecosystems, 2017, 20, 515-526.	3.4	54
11	Terrestrial ecosystem model performance in simulating productivity and its vulnerability to climate change in the northern permafrost region. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 430-446.	3.0	47
12	Unchanged carbon balance driven by equivalent responses of production and respiration to climate change in a mixedâ€grass prairie. Global Change Biology, 2016, 22, 1857-1866.	9.5	41
13	Root-associated fungi of Vaccinium carlesii in subtropical forests of China: intra- and inter-annual variability and impacts of human disturbances. Scientific Reports, 2016, 6, 22399.	3.3	32
14	Divergent responses of primary production to increasing precipitation variability in global drylands. Global Change Biology, 2021, 27, 5225-5237.	9.5	31
15	Scale-Dependent Performance of CMIP5 Earth System Models in Simulating Terrestrial Vegetation Carbon*. Journal of Climate, 2015, 28, 5217-5232.	3.2	24
16	Sources of Uncertainty in Modeled Land Carbon Storage within and across Three MIPs: Diagnosis with Three New Techniques. Journal of Climate, 2018, 31, 2833-2851.	3.2	24
17	Ecosystem carbon transit versus turnover times in response to climate warming and rising atmospheric CO₂ concentration. Biogeosciences, 2018, 15, 6559-6572.	3.3	23
18	Biotic responses buffer warmingâ€induced soil organic carbon loss in Arctic tundra. Global Change Biology, 2018, 24, 4946-4959.	9.5	21

#	Article	IF	Citations
19	Successional change in species composition alters climate sensitivity of grassland productivity. Global Change Biology, 2018, 24, 4993-5003.	9.5	21
20	Experimental warming altered rates of carbon processes, allocation, and carbon storage in a tallgrass prairie. Ecosphere, 2015, 6, 1-16.	2.2	20
21	Precipitation manipulation and terrestrial carbon cycling: The roles of treatment magnitude, experimental duration and local climate. Global Ecology and Biogeography, 2021, 30, 1909-1921.	5.8	20
22	Quantifying Soil Phosphorus Dynamics: A Data Assimilation Approach. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2159-2173.	3.0	19
23	Transient Traceability Analysis of Land Carbon Storage Dynamics: Procedures and Its Application to Two Forest Ecosystems. Journal of Advances in Modeling Earth Systems, 2017, 9, 2822-2835.	3.8	13
24	Drought mildly reduces plant dominance in a temperate prairie ecosystem across years. Ecology and Evolution, 2020, 10, 6702-6713.	1.9	9
25	Matrix Approach to Land Carbon Cycle Modeling. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	7
26	The effects of different human disturbance regimes on root fungal diversity ofRhododendron ovatumin subtropical forests of China. Canadian Journal of Forest Research, 2017, 47, 659-666.	1.7	5
27	A model-independent data assimilation (MIDA) module and its applications in ecology. Geoscientific Model Development, 2021, 14, 5217-5238.	3.6	5
28	Country-level land carbon sink and its causing components by the middle of the twenty-first century. Ecological Processes, 2021, 10, 61.	3.9	5
29	Warmer and wetter climate promotes net primary production in <scp>C₄</scp> grassland with additional enhancement by hay harvesting. Ecosphere, 2022, 13, .	2.2	2